## INTERNATIONAL SEARCH REPORT

International application No. PCT/US02/21950

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) :G02B 6/52 US CL :385/33, 147 According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols) U.S. : 385/33, 34, 147  Documentation searched other than minimum documentation to the extent that such documents are included in the fields				
se No 184				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  USPTO APS EAST  search terms: glass collimat\$, collimat\$ near coupler				
C. DOCUMEN'TS CONSIDERED TO BE RELEVAN'T				
Category*	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.	
A	US 5,400,429 A (AMES et al) 21 March 1995 (21.03.1995), column 1-6 4, lines 21-68.			
A Furth	US 6,246,813 B1 (ZHENG) 12 June 2 line 53 - column 3, line 45.		1-6	
• Special categories of cited documents: "T" later document published after the international filing date or priority				
	ument defining the general state of the art which is not considered be of particular relevance	date and not in conflict with the appl the principle or theory underlying the	ication but cited to understand	
	dier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider		
cite	ument which may throw doubts on priority claim(s) or which is od to establish the publication date of another citation or other cial reason (as specified)	when the document is taken alone  "Y" document of particular relevance; the	claimed invention cannot be	
"O" doc	nument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive step with one or more other such docum obvious to a person skilled in the art		
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24 SEPTEMBER 2002		1 3 DEC 2002		
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